



## PATENT ABSTRACTS OF JAPAN

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## (54) CONTROLLING DEVICE FOR USED NUMBER OF BURNERS

## (57) Abstract:

**PURPOSE:** To prevent concentrated usage on specific burners by selecting order in such a manner that in an automatic controlling device of a boiler as heading, the number of times for ignition and extinction operations is memorized and the burners having the least number of operation times are selected primarily.

**CONSTITUTION:** A counter 1 adds up the number of ignition and extinction of burners for each burner AWD on the basis of action signals from limit switches for open and closed valves of burners. Among burners AWD, burners having the least number of usage are selected by a comparator 2 for number of usage and logic 1 to that burners is transmitted and to other burners logic 0 is transmitted. When the number of usage is same, the order depends on predetermined order. On the other hand, a commanding transmitter 4 for increasing and reducing the number of burners outputs commands for increasing and reducing in response to

required conditions. By this, a logic circuit 3 outputs action commands to burners having the least number of operations selected by the comparator for the number of usage. By this constitution, concentrated usage on specific burners is prevented.

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